

Title (en)
Door lock device for motor vehicles

Title (de)
Kraftfahrzeugtürschloss

Title (fr)
Serrure de porte de véhicule automobile

Publication
EP 1076141 B1 20050126 (EN)

Application
EP 00117024 A 20000808

Priority
JP 22498899 A 19990809

Abstract (en)
[origin: EP1076141A1] In a door closer device which requires at least three switches consisting of a half door detection switch, a full lock (completely closing) detection switch and a switch for detecting the return to the initial position, the number of switches can be reduced. Two cam switch operating portions are formed on a cam plate (31) fixedly secured to an output shaft (30) of a motor (29). The motor is stopped by making use of one operating portion and the motor (29) is rotated in a reverse direction by making use of the other operating portion. <IMAGE>

IPC 1-7
E05B 65/12

IPC 8 full level
E05B 85/24 (2014.01); **E05B 81/32** (2014.01); **E05B 81/66** (2014.01)

CPC (source: EP US)
E05B 81/20 (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Cited by
EP2050903A3; EP2168799A3; WO2004018809A1; WO2009056120A3; US9995076B1; US8152217B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
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